

# Milesight Video Surveillance Appliance

It is a Windows-based pre-loaded VMS server, which is tailored for mid-large surveillance projects, with 64ch and 128ch. With the latest embedded system, meets video transferring, event alarm, custom events and other advanced functions.



**DATASHEET**

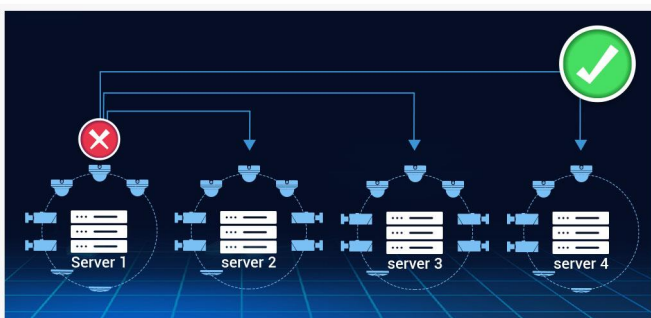
## Key Features

<b>Accessibility</b>	Support up to 128 video streams per server.
<b>Flexible &amp; Scalable Storage</b>	Provide cost-effective storage: up to 12*20TB storage capacity.
<b>High Data Availability</b>	RAID 0/1/5/6/10/50/60 enables multiple data security protection.
<b>Versatile Interfaces</b>	A whole array of ports provides all necessary features of effective surveillance.
<b>Easy Recovery Solution</b>	Designed with a separate and redundant array of Solid State Drives for the operating system, with a built-in recovery partition to simplify the recovery process.
<b>Service Guarantee</b>	3-year, on-site, next business day, keep your appliance warranty.
<b>Compatibility</b>	Fully integrate with Milesight network cameras, sensors and 3rd party network cameras.
<b>Green Energy Efficiency</b>	Intelligent adjustment of the operating rate, ensures more efficient heat dissipation.



## Lower Deployment Costs & Large-scale, Fine-grained management

- Pre-configured latest VMS system is free to install and configure in minutes.
- Device, Recording, Users & Roles, Event & Alarm management and other complex needs can be met by one system.
- With 12 SATA interfaces and up to 12\*20TB storage capacity, meet long term storage needs.



## Reliability and Usability

- RAID-configured redundancy offers a highly available and resilient system that protects your data.
- N+M Failover ensures uninterrupted recording and boosting risk resistance.

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		VE0404-S	VE1208-S
<b>Devices</b>	Included Cameras Access License	64	128
<b>Recording</b>	Recording Schedule	64	128
	Playback Rate (Multiple Connections)	Up to 700 Mbps	
	Recording Rate (Multiple Connections)	Up to 600 Mbps	
<b>Event &amp; Alarm</b>	Event and Alarm Rules	1000	
<b>Users &amp; Roles</b>	Concurrent Accesses via Clients, App Clients	100	
	Users	1000	
	Roles	100	
<b>Local Viewing</b>	Local Viewing	Not Supported	
<b>System</b>	Main Processor	1*Quad-Core Intel® Xeon® Processor	1*Octa-Core Intel® Xeon® Silver Processor
	Memory	8GB UDIMM 3200MT/s ECC parity. Extendable up to 128GB	16GB (1*16GB) UDIMM 3200MT/s ECC parity. Extendable up to 1TB
	Network Interface	1 GbE RJ-45 ports *2	
	RAID Support	Not Supported	RAID 0/1/5/6/10/50/60
	Operating System	Microsoft Windows 10 IoT Enterprise 64bit	
	Out-of-band Management	iDRAC 9 Enterprise	
<b>Auxiliary Interface</b>	HDD Drives (Video Data)	4*3.5" SAS or SATA hot-swappable	12*3.5" SAS or SATA hot-swappable
	SSD Drive (Operating System)	240GB*1 M.2 SSD	240GB*2 M.2 SSD, RAID1
	Capacity	Up to 20TB capacity for each disk	
	Recording Storage Capacity	Up to 80TB raw; 40TB effective(RAID 1)	Up to 240TB raw; 160TB effective(RAID 60)
	USB Interface	Front panel: 1*USB 2.0 Rear panel: 1*USB 2.0, 1*USB 3.0	Front panel: 1*USB 2.0 Rear panel: 1*USB 2.0, 1*USB 3.0
	Video Output	VGA*1	VGA*2
	GPU Options	Not Supported	
	PCIe Support	1*8 Gen4 (x16 connector) low profile, half length 1*8 Gen4 (x8 connector) low profile, half length 1*4 Gen4 (x8 connector) for dedicated PERC only	3*16 Gen4 (x16 connector) full height, half length 1*4 Gen3 (x8 connector) full height, half length
<b>General</b>	Power Input	100 to 240 VAC, 50/60 Hz, auto-switching	
	Power Supply	Single 600W Mixed Mode	Dual 800W Mixed Mode
	Consumption	≤140 W (without HDD)	≤140 W (without HDD)
	Working Temperature	5°C to 45°C (41°F to 113°F);	
	Working Humidity	8% to 90% RH (no freezing and no condensation)	
	Chassis	1U rack server	2U rack server

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<b>General</b>	Dimension (W x D x H)	Height - 42.8mm(1.69 inches) Width - 482mm(18.97 inches) Depth - 585.3mm(23.04 inches) - without bezel 598.94mm(23.58 inches) - with bezel	Height - 86.8mm(3.41 inches) Width - 482mm(18.97 inches) Depth - 707.78mm(27.85 inches) - without bezel 721.62mm(28.4 inches) - with bezel
	Weight	Max13.14 kg (28.96 lbs.)	Max28.76 kg (63.40 lbs.)
	Warranty	3-year NBD (Next Business Day) with onsite parts delivery service.	3-year NBD (Next Business Day) with onsite parts delivery service.

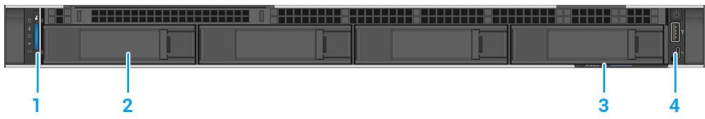
V1.0

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## Interfaces

### VE0404-S



1. Left Control Panel
2. Drive
3. Information Tag
4. Right Control Panel

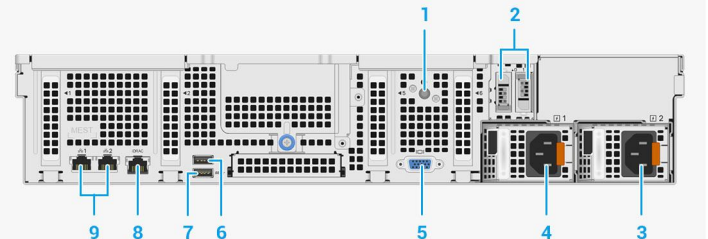


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|----------------------|------------------------|
| 1. Serial Connector  | 6. CMA Jack            |
| 2. Ethernet Ports    | 7. USB3.2 Gen1 Port    |
| 3. BOSS Riser Slots  | 8. USB2.0 Port         |
| 4. Power Supply Unit | 9. iDRAC Ethernet Port |
| 5. System ID Button  | 10. VGA Port           |

### VE1208-S



1. Left Control Panel
2. Drive
3. Information Tag
4. Right Control Panel



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|-----------------------|------------------------|
| 1. System ID Button   | 6. USB2.0 Port         |
| 2. BOSS Riser Slots   | 7. USB3.2 Gen1 Port    |
| 3. Power Supply Unit  | 8. iDRAC Ethernet Port |
| 4. Power Supply Unit2 | 9. Ethernet Ports      |
| 5. VGA Port           |                        |

## Device Connection Topology

### Single Server System



### Muti-Server System



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